



RECEIVED

SEP 26 2003  
FENTER 1600/2900

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, MAIL STOP FEE AMENDMENT, PO BOX 1450, ALEXANDRIA, VA 22313-1450, ON THE DAY INDICATED BELOW.

BY: Eva Redei DATE: 9-19-03

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re: Patent Application of : Group Art Unit: 1632  
Redei et al. :  
Appln. No.: 10/023,335 : Examiner: Q. Janice Li  
Filed: December 17, 2001 :  
For: Compositions and Methods Useful for : Attorney Docket  
Treatment of Depressive Disorder Based on : No. 053662-5002-01  
an Animal Model :

**DECLARATION OF EVA REDEI PURSUANT TO 37 C.F.R. § 1.132**

I hereby declare as follows:

1. I am the same Eva Redei who is a co-inventor of the invention described and claimed in the above-identified application.
2. Since filing this application, I and others have reproducibly bred WLI substrains from matings between WKY rats out to the F7 generation. From a colony of 60 WKY rats, those having the lowest immobility scores and highest climbing scores were selected for breeding. The F1 progeny of these matings were housed by sex and by litter throughout the experiments. In subsequent generations, 2-4 breeding pairs showing the lowest extreme FST scores were selected, and sibling matings were avoided through the F5 generation.
3. The WLI substrains have FST scores of lower than about 8, particularly when the WLI substrains were of the F2 generation or later. Figure 1 of this Declaration demonstrates the difference in FST score between the WLI rat and the parental WKY strain. This graph also depicts the significant differences between the WLI rat and the WMI (more immobile) rat.

4. The significant differences between the WLI and the WMI rats indicate that these substrains are different from each other and different from the parental WKY strain. Left to randomly mate, the average FST score for the WKY rat varies. However, selective mating either increases (WMI) or decreases (WLI) the FST score within the substrain population, and the FST scores within these populations do not vary extensively. Random mating within the WLI substrain leads to average immobility score of less than 8 with a small variance.

5. I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 9/19/2003

Eva Redei  
Eva Redei Ph.D.

FIG. 1

